

## عنوان مقاله:

Association of Maternal Body Mass Index with Adverse Maternal and Prenatal Outcomes

## محل انتشار:

سومین کنگره بین المللی روش های کم تهاجمی زنان و مامایی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 1

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## خلاصه مقاله:

**Background :** The present study aimed to determine association between abnormal maternal body mass index and adverse maternal/prenatal outcomes. **Methods:** In a retrospective correlational study 8270 pregnant women referred to rural and urban health centers of Ardabil district (from Mar 2009 to Dec 2010) were selected. Data were collected from prenatal healthcare records using a self designed questionnaire. Women with twin pregnancy, fewer than 18 and above 35 of age, and women with systemic or chronic disease were excluded from the study. The variables examined in this study include, demographic information (e.g. age, social and economy status, and literacy), present pregnancy information (e.g. parity, hemoglobin level, Gestational diabetes, Preeclampsia) and prenatal information (e.g. preterm delivery, low birth weight, and congenital malformation). Data were analyzed through Kruskal wallis, chi- square, and logistic regression using SPSS version16. **Results:** 8.2, 25 and 15.4 % pregnant women were underweight, overweight, and obese, respectively. Obese women were at increased risk for macrosomia (OR= 1/820, CI: 1/345-2/447, p=0/000), unwanted pregnancy (OR= 1/436, CI: 1/198-1/720, p=0/000), pregnancy induced hypertension (OR= 1/633, CI: 1/072-2/486, p=0/022), preeclampsia (OR= 4/666, CI: 2/353-9/2550, p=0/000), and still birth (OR= 2/602, CI: 1/306-5/184, p=0/007). However, the risk of low birth weight delivery in underweight women were 1.6 times higher than the normal cases (OR= 1/674, CI: 0/962-2/912, p=0/068). **Conclusion:** Considering high prevalence of abnormal maternal body mass index and associated adverse maternal and prenatal outcome; consultation before pregnancy is recommended in order to achieve normal body mass index and reduce the relevant complications.

## کلمات کلیدی:

maternal body mass index, pregnancy, prenatal outcomes, maternal outcomes

## لینک ثابت مقاله در پایگاه سیویلیکا:

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